KPDES FORM 1

AI# 1815

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

RECEIVED
OCT 23 2009
By AAC

PERMIT APPLICATION

This is an application to: (check one)

- ☐ Apply for a new permit.
- ☒ Apply for reissuance of expiring permit.
- ☐ Apply for a construction permit.
- ☐ Modify an existing permit.
  Give reason for modification under Item II.A.

A complete application consists of this form and one of the following:
Form A, Form B, Form C, Form F, or Form SC

For additional information contact:
KPDES Branch (502) 564-3410

CK 200-

I. FACILITY LOCATION AND CONTACT INFORMATION	AGENCY USE	0	0	2	6	5	1	4

A. Name of Business, Municipality, Company, Etc. Requesting Permit
CountryMark Cooperative, LLP

B. Facility Name and Location	C. Primary Mailing Address (all facility correspondence will be sent to this address). **Include owner's mailing address (if different) in D.**
Facility Location Name: CountryMark Cooperative, LLP - Henderson Terminal	Facility Contact Name and Title: Mr. ☒ Ms. ☐ Gene Grabert
Facility Location Address (i.e. street, road, etc., **not P.O. Box**): 2321 Old Geneva Highway	Mailing Address: 1200 Refinery Road
Facility Location City, State, Zip Code: Henderson, KY 42420	Mailing City, State, Zip Code: Mt. Vernon, IN 47620
D. Owner's name (if not the same as in part A and C): Same as in Section A above	Facility Contact Telephone Number: (812) 838-8174
Owner's Mailing Address: Same as in Section C above	Owner's Telephone Number (if different): Same as in Section C above

II. FACILITY DESCRIPTION

A. Provide a brief description of activities, products, etc:
CountryMark's Henderson Terminal is equipped with four, petroleum-product, aboveground storage tanks of various sizes located in a 245,000-square foot containment dike at the center of the property. The facility is also equipped with a fuel barge unloading station located at the north boundary of the property along the Ohio River and a tanker truck fuel loading rack located in the southern portion of the site. Materials stored, handled and dispensed at the site include gasoline, diesel and ethanol fuels. Operation of oil/water separator system for truck transfer areas.

B. Standard Industrial Classification (SIC) Code and Description

Principal SIC Code & Description:	5171 – Petroleum bulk stations and terminals		
Other SIC Codes:	NA	NA	NA

III. FACILITY LOCATION

A. Attach a U.S. Geological Survey 7 ½ minute quadrangle map for the site. (See instructions)

B. County where facility is located: Henderson	City where facility is located (if applicable): Henderson
C. Body of water receiving discharge: Ohio River, RMI 173	
D. Facility Site Latitude (degrees, minutes, seconds): N 37:48:53	Facility Site Longitude (degrees, minutes, seconds): W 87:40:13
E. Method used to obtain latitude & longitude (see instructions):	Topo map coordinates
F. Facility Dun and Bradstreet Number (DUNS #) (if applicable):	00790-2869

IV. OWNER/OPERATOR INFORMATION

A. Type of Ownership:

☐ Publicly Owned ☒ Privately Owned ☐ State Owned ☐ Both Public and Private Owned ☐ Federally owned

B. Operator Contact Information (See instructions)

Name of Treatment Plant Operator:	Telephone Number:
NA – Facility is not a municipal or sanitary applicant	NA
Operator Mailing Address (Street): NA	
Operator Mailing Address (City, State, Zip Code): NA	
Is the operator also the owner? Yes ☐ No ☐	Is the operator certified? If yes, list certification class and number below. Yes ☐ No ☐
Certification Class: NA	Certification Number: NA

V. EXISTING ENVIRONMENTAL PERMITS

Current NPDES Number:	Issue Date of Current Permit:	Expiration Date of Current Permit:
KY0026514	09/01/2005	04/30/2010
Number of Times Permit Reissued:	Date of Original Permit Issuance:	Sludge Disposal Permit Number:
Unknown - transferred from previous owner 10/04/2007	Unknown - transferred from previous owner 10/04/2007	NA
Kentucky DOW Operational Permit #:	Kentucky DSMRE Permit Number(s):	
NA	NA	

Which of the following additional environmental permit/registration categories will also apply to this facility?

CATEGORY	EXISTING PERMIT WITH NO.	PERMIT NEEDED WITH PLANNED APPLICATION DATE
Air Emission Source	S-07-037	NA
Solid or Special Waste	NA	NA
Hazardous Waste - Registration or Permit	NA	NA

VI. DISCHARGE MONITORING REPORTS (DMRs)

KPDES permit holders are required to submit DMRs to the Division of Water on a regular schedule (as defined by the KPDES permit). Information in this section serves to specifically identify the name and telephone number of the DMR official and the DMR mailing address (if different from the primary mailing address in Section I.C).

A. DMR Official (i.e., the department, office or individual designated as responsible for submitting DMR forms to the Division of Water):	Joe Sudholt
DMR Official Telephone Number:	(812) 838-8191

B. DMR Mailing Address:

- Address the Division of Water will use to mail DMR forms (if different from mailing address in Section I.C), or
- Contact address if another individual, company, laboratory, etc. completes DMRs for you; e.g., contract laboratory address.

DMR Mailing Name:	Same as in Section C above
DMR Mailing Address:	Same as in Section C above
DMR Mailing City, State, Zip Code:	Same as in Section C above

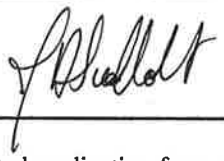
VII. APPLICATION FILING FEE

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount (for permit renewals, please include the KPDES permit number on the check to ensure proper crediting). Descriptions of the base fee amounts are given in the "General Instructions."

Facility Fee Category:	Filing Fee Enclosed:
Non-Process Industry	$200

VIII. CERTIFICATION

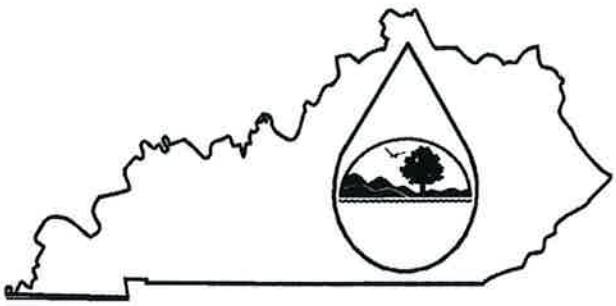
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	TELEPHONE NUMBER (area code and number):
Mr. ☒ Ms. ☐ Joe Sudholt, Vice President	(812) 838-8191
SIGNATURE 	DATE: 10/20/09

Return completed application form and attachments to: **KPDES Branch, Division of Water, Frankfort Office Park, 14 Reilly Road, Frankfort, KY 40601. Direct questions to: KPDES Branch at (502) 564-3410.**

AI 1815

KPDES FORM F



KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

A complete application consists of this form and Form 1.
For additional information, Contact KPDES Branch, (502) 564-3410.

I. OUTFALL LOCATION	AGENCY USE	0	0	2	6	5	1	4

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and name the receiving water.

A. Outfall Number	B. Latitude			C. Longitude			D. Receiving Water (name)
Outfall 2	N 37	48	55	W 87	40	11	Ohio River, RMI 173
Outfall 3	N 37	48	55	W 87	40	9	Ohio River, RMI 173

II. IMPROVEMENTS

A. Are you now required by any federal, state, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls No.	Source of Discharge	3. Brief Description of Project	4. Final Compliance Date a. req.	b. proj.
NA					
NA					
NA					
NA					
NA					
NA					
NA					
NA					
NA					

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

III. SITE DRAINAGE MAP

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each know past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage of disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

See attached drainage map

IV. NARRATIVE DESCRIPTION OF POLLUTANT SOURCES

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
Outfalls 2 & 3	250,000 square feet	250,000 square feet			

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

CountryMark's Henderson Terminal is equipped with four, petroleum-product, aboveground storage tanks of various sizes located in a 245,000-square foot containment dike at the center of the property. The facility is also equipped with a fuel barge unloading station located at the northeast boundary of the property along the Ohio River and a tanker truck fuel loading rack located in the southern portion of the site. Materials stored, handled and dispensed at the site include gasoline, diesel and ethanol fuels.

The 5,000-square foot tanker truck loading rack area is concrete-paved and curbed to contain spills and storm water runoff. During a spill or rain event, runoff is collected in a sump and is pumped to an oil/water separator. Oil and grease from the separator is collected in a 210-barrel (8,400-gallon) storage tank located in the southeast corner of the property. Originally, water leaving the oil/water separator was discharged directly to the Ohio River through Outfall 1. Outfall 1, however, has been re-routed to discharge directly into the storage tank containment dike.

The storage tank containment dike is located in the center of the property and discharges to the Ohio river through Outfalls 2 and 3, which are located at the southeast and northeast corners of the structure, respectively. Under normal operating conditions, collected water is only discharged at Outfall 2; if necessary, however, Outfall 3 can also be used. In addition to the oil/water separator and storm water discharges, the storage tank containment dike outfalls can also be used to discharge water resulting from hydrostatic tank testing.

Pesticides, herbicides, soil conditioners and fertilizers are only used at the site for landscaping purposes and are not applied regularly.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table F-1
Outfalls 2 & 3	Storm water runoff from the truck loading rack is collected and treated in an oil/water separator. Effluent from the oil/water separator, formerly discharged through Outfall 1, is now pumped to the storage tank containment dike where it is mixed with rainwater collected in the containment dike. Outfalls 2 and 3 are kept closed until it is necessary to drain the dike. Before opening the outfalls, the collected water is visually inspected for the presence of petroleum products floating on the water surface. If any product is observed, it is skimmed off and stored with oil and grease trapped by the oil/water separator.	1-H

V. NON-STORM WATER DISCHARGES

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-storm water discharges, and that all non-storm water discharges from these outfall(s) are identified in either an accompanying Form C or Form SC application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed
Joe Sudholt, Vice President	J Sudholt	10/20/09

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

All storm water drainage points (former Outfall 1 and Outfalls 2 and 3) can be directly observed on a regular basis, provided they are not covered by collected storm water. Site schematics and visual observations show there are no pipes or other discharges associated with these Outfalls.

VI. SIGNIFICANT LEAKS OR SPILLS

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

There have been no leaks or spills of hazardous substances in the last three years.

VII. DISCHARGE INFORMATION

A,B,C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Tables F-1, F-2, and F-3 are included on separate pages.

E: Potential discharges not covered by analysis - is any toxic pollutant listed in Table F-2, F-3, or F-4, a substance which you currently use or manufacture as an intermediate or final product or by product.

☒ Yes (list all such pollutants below) ☐ No (go to Section IX)

Acenaphthene , Acenaphthylene , Anthracene, Benzene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Ehtylbenzene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene, Toluene, Xylenes.

VIII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (list all such results below) ☐ No (go to Section IX)

NA

IX. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in item VII performed by a contract laboratory or consulting firm?

☒ Yes (list the name, address and telephone number of, and pollutants analyzed by each such laboratory or firm below; use additional sheets if necessary).

☐ No (go to Section IX)

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Microbac Laboratories, Inc.	3323 Gilmore Industrial Boulevard Louisville, KY 40213	(502) 962-6400	All pollutants – see attached results

X. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

NAME & OFFICIAL TITLE (type or print)	**AREA CODE AND PHONE NO.**
Mr. ☒ Ms. ☐ Joe Sudholt (V.P.)	(812) 838-8191
SIGNATURE	**DATE SIGNED**
J Sudholt	10/20/09

VII. DISCHARGE INFORMATION	OUTFALL NO: 2

Part A - **You must provide the results of at least one analysis for every pollutant in this table.** Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Oil and Grease	< 5 mg/L	NA	NA	NA	1	Storm water
Biological Oxygen Demand BOD_5	9 mg/L	NA–impoundment w retention > 24 hours	NA	NA	1	Storm water
Chemical Oxygen Demand (COD)	38 mg/L	NA–impoundment w retention > 24 hours	NA	NA	1	Storm water
Total Suspended Solids (TSS)	< 5 mg/L	NA–impoundment w retention > 24 hours	NA	NA	1	Storm water
Total Kjeldahl Nitrogen	1.3 mg/L	NA–impoundment w retention > 24 hours	NA	NA	1	Storm water
Nitrate plus Nitrite Nitrogen	<1.3 mg/L	NA–impoundment w retention > 24 hours	NA	NA	1	Storm water
Total Phosphorus	0.33 mg/L	NA–impoundment w retention > 24 hours	NA	NA	1	Storm water
pH	6.51	NA	NA	NA	1	Storm water

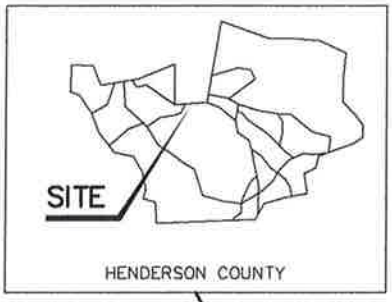
Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Chlorine, Total Residual	None – hydrostatic tank testing has never been done at the site.		NA	NA	0	Municipal water used in hydrostatic tank testing

Part C - List each pollutant shown in Tables F-2, F-3, and F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Acenaphthene	NA	NA	NA	NA	0	Storm water – expected < 10 ppb, only trace amounts from minor spillage. Before discharge, collected water is visually inspected for the presence of petroleum products floating on the water surface. If any product is observed, it is skimmed off and stored with oil and grease trapped by the oil/water separator.
Acenaphthylene	NA	NA	NA	NA	0	
Anthracene	NA	NA	NA	NA	0	
Benzene	NA	NA	NA	NA	0	
Benzo(a)anthracene	NA	NA	NA	NA	0	
Benzo(b)fluoranthene	NA	NA	NA	NA	0	
Benzo(ghi)perylene	NA	NA	NA	NA	0	
Chrysene	NA	NA	NA	NA	0	
Dibenzo(a,h)anthracene	NA	NA	NA	NA	0	
Ethylbenzene	NA	NA	NA	NA	0	
Fluoranthene	NA	NA	NA	NA	0	
Fluorene	NA	NA	NA	NA	0	
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	0	
Naphthalene	NA	NA	NA	NA	0	
Phenanthrene	NA	NA	NA	NA	0	
Pyrene	NA	NA	NA	NA	0	
Toluene	NA	NA	NA	NA	0	
Toluene	NA	NA	NA	NA	0	
Xylene	NA	NA	NA	NA	0	

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow-weighted composite sample.					
1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gal/min or specify units)	6. Total flow from rain event (gallons or specify units)
7. Provide a description of the method of flow measurement or estimate.					



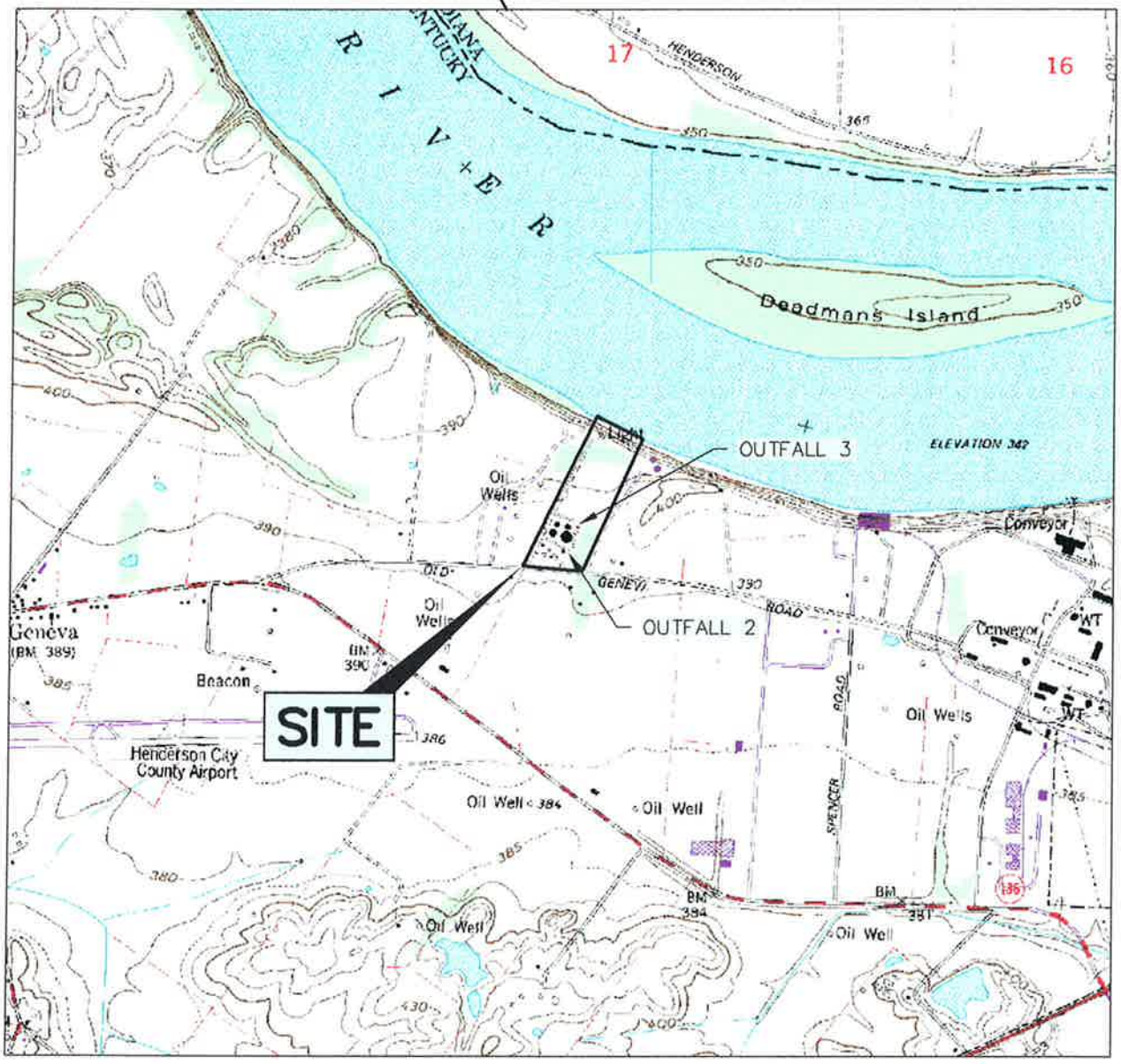
SECTION 10
TP. – R.22
CITY OF HENDERSON
HENDERSON COUNTY
KENTUCKY

N

0 2000

SCALE (IN FEET)

KENTUCKY



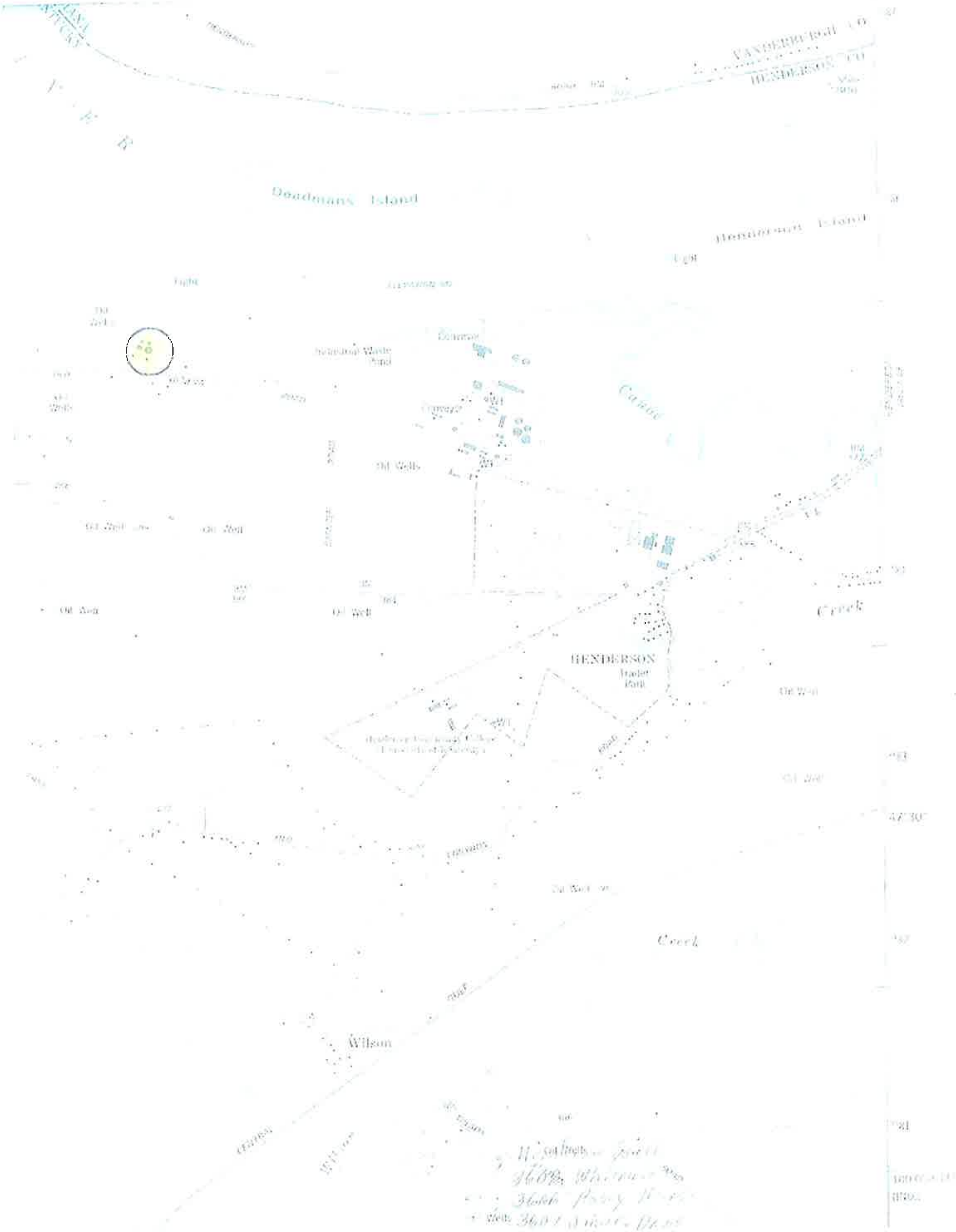
SITE LOCATION MAP

ADAPTED FROM USGS
WILSON/1981

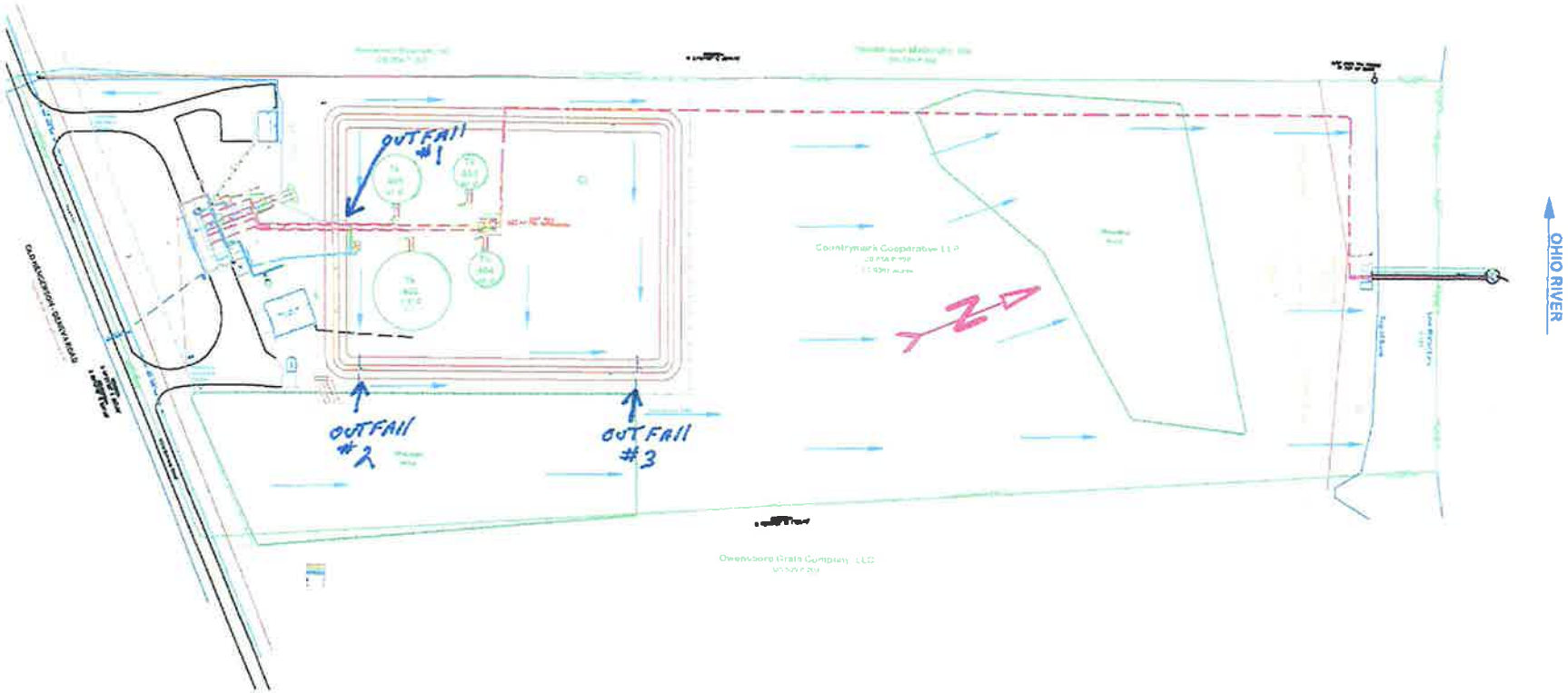
REVISIONS ARE TO BE MADE ON THE CADD FILE ONLY

ERM	**COUNTRYMARK COOPERATIVE, LLP** HENDERSON TERMINAL 2321 OLD GENEVA HIGHWAY, HENDERSON, KENTUCKY	CADD Review RMK CHK'D ALR 0062696
Drawn By GML 9/1/09	Environmental Resources Management	FIGURE 1

R:\CADD\Cln\A-D\Countrymark Cooperative, Inc\0062696\0062696-SLM.dwg, SLM, 9/1/2009 2:38:16 PM, GML



VANDERBURGH CO
HENDERSON CO
Deadmans Island
Henderson Island
Light
Light
Industrial Waste Pond
Canal
Oil Wells
Oil Well
Oil Well
Oil Well
Oil Well
Creek
HENDERSON
Trailer Park
Creek
Wilson
47'30"



REVISIONS			
REV	DESCRIPTION	DATE	BY

CountryMark

Countrymark Cooperative, LLP

HENDERSON TERMINAL

FACILITY RESPONSE

DRAINAGE PLAN

HENDERSON, KENTUCKY

Microbac®

Microbac Laboratories, Inc.

KENTUCKY TESTING LABORATORY DIVISION
3323 Gilmore Industrial Blvd. Louisville, KY 40213 502.962.6400 Fax: 502.962.6411
Evansville, IN 812.464.9000 | Lexington, KY 859.276.3506 | Paducah, KY 270.898.3637

Member ACIL

Chemical, Biological, Physical, Molecular, and Toxicological Services

ELECTRONIC CERTIFICATE OF ANALYSIS

0909-01586

COUNTRYMARK HENDERSON CO.
GENE GRABERT
2321 OLD GENEVA RD
HENDERSON, KY 42420

HENDERSON TERMINALING STORMWATER

Date Reported	10/05/2009
Date Due	10/05/2009
Date Received	09/25/2009
Date Sampled	09/25/2009
Invoice No.	57323
Customer #	1259
Customer P.O.	

Analysis	Out of Spec	Qualif	Result	Unit	Min	Max	Method	Std Limit	Date	Time	Tech
Sample: 001 **STORMWATER DISCHARGE 2**								Date & Time Sampled:	09/25/2009	@ 9:30	
IL AND GREASE, TOTAL			<5.0	MG/L			EPA 1664A	5.0	09/29/09	13:00	CJL
H			6.51	SU			SM 4500 H+ B		09/25/09	11:10	KSH
OLIDS, TOTAL SUSPENDED			<5	MG/L			I-3765-85	5	09/29/09	12:00	HCS
EMPERATURE AT PH FIELD			4.2	DEG C			SM 2550B		09/25/09	11:10	KSH
OD			38	MG/L			SM5220D	10	10/01/09	10:00	JRV
ITROGEN, TOTAL KJELDAHL			1.3	MG/L			SM 4500-NH3 G	0.4	10/02/09	16:21	CMA
HOSPHORUS, TOTAL			0.33	MG/L			EPA 365.1	0.01	10/01/09	19:05	JPM
OD, 5 DAY		B3	9	MG/L			SM 5210B	5	10/01/09	13:00	JPM
ITROGEN, NITRATE + NITRITE			<1.3	MG/L			EPA 300.0	1.3	10/02/09	23:28	JPM
ATE DIGESTED TKN - MICRO			COMPLETED	---			SM 4500-Norg C		09/29/09	16:00	CMA

THIS REPORT HAS BEEN REVIEWED AND APPROVED FOR RELEASE: R. Clayton

MICROBAC LABORATORIES, INC.

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate Federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Sean Hyde, the Managing Director at 502.962.6400. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.

Microbac®

Microbac Laboratories, Inc.

KENTUCKY TESTING LABORATORY DIVISION
3323 Gilmore Industrial Blvd. Louisville, KY 40213 502.962.6400 Fax: 502.962.6411
Evansville, IN 812.464.9000 | Lexington, KY 859.276.3506 | Paducah, KY 270.898.3637

Member ACIL

Chemical, Biological, Physical, Molecular, and Toxicological Services

ELECTRONIC CERTIFICATE OF ANALYSIS

0909-01586

COUNTRYMARK HENDERSON CO.
GENE GRABERT
HENDERSON TERMINALING STORMWATER

Date Reported 10/05/2009
Date Received 09/25/2009
Date Sampled 09/25/2009

nalysis	Out of Spec	Qualif	Result	Unit	Min	Max	Method	Std Limit	Date	Time	Tech

)UALIFIER DEFINITIONS:

JR	Results reported on an as received basis.
H1	Analyte value in the method blank above control limit.
H2	Analyte value in the method blank is between the method detection limit and the reporting detection limit.
H3	BOD blank is over specifications . The reported result may be biased high.
HOD1	BOD result estimated due to insufficient oxygen depletion.
HOD2	BOD result estimated due to insufficient oxygen residual.
HOD3	BOD result estimated due to inconsistent oxygen depletion
H1	Continuing calibration verification (CCV) above upper control limit, analyte(s) not detected.
HU	Customer specified reporting limit
HE	Conclusion Entry
HG	Confluent Growth
HI	Surrogate recoveries out of compliance due to sample dilution.
HW	Results reported on a dry weight basis.
H1	Elevated reporting or detection limit(s) due to sample matrix interference and sample dilution.
H2	Elevated reporting or detection limit(s) due to high analyte concentration and sample dilution.
H3	Elevated reporting or detection limit(s) due to insufficient sample volume
HS	Estimated microbiological count
H4	Elevated reporting or detection limit(s) due to low level calibration variance
I1	Test Method Epa 1010 Not Valid For Solid Samples. Samples Analyzed By A Modified 1010 Method.
I2	No Flash Observed; Test Flame Is Being Extinguished By Sample At The Reported Temperature.
I3	The result is estimated, as the sample can not by sufficiently cooled below the expected flashpoint.
L1	Sample received outside of holding time for these analytes.
L2	Analyte was prepared and/or analyzed outside of the analytical method holding time.
M1	The analyte was positively identified; analyte was detected between the reporting limit and method detection limit and the result is an estimated value.
M2	The analyte was positively identified;the result is above the quantitation range and is an estimated value.
M1	Lab control sample (LCS) recovery below lower control limit, all other batch QC acceptable.
M2	Lab control sample (LCS) recovery above upper control limit, all other batch QC acceptable.
M3	Lab control sample (LCS) recovery above upper control limit, analyte not detected.
M1	Matrix Spike Recovery Outside Control Limits Due To Sample Matrix Interference, Biased High.
M2	Matrix Spike Recovery Outside Control Limits Due To Sample Matrix Interference, Biased Low.
M3	Matrix Spike Recovery Outside Control Limits Due To Analyte Concentration. Matrix Spike Evaluation not applicable when sample concentration is >= 4X Spike Concentration.
MC	Miscellaneous (see conclusion statement)
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification." Any associated quantitation is an estimate based on industry standard practices.
ND	Not detected at or below the reporting limit (or method detection limit, if listed).
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and is an estimated value.
NOC	The above value is over the client provided or regulatory specification for this parameter
P1	Sample received was improperly preserved for these analytes.
P2	Sample pH greater than method limit of 2.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. the presence or absence of the analyte cannot be verified.
TNC	Colonies too numerous to count
U1	Relative percent difference (RPD) of matrix spike duplicates outside of control limit.
U2	Relative percent difference (RPD) of LCS duplicates outside of control limit.
U3	Relative percent difference (RPD) of sample duplicates outside of control limit.
Y1	One or more surrogates outside control limits, no target analytes detected.
Y2	One or more surrogates outside control limits due to matrix interference.
Y3	One or more surrogates outside control limits. the data was accepted based on the valid recovery of remaining surrogate(s).
UM	This total is the sum of several values, some which are less than their respective reporting limits. The total is an estimate.
UB	Analysis subcontracted.
UJ	Analyte was not detected above the reporting limit, however, the reporting limit is approximate & may or may not represent the actual limit of quantitation necessary to accurately & precisely measure the analyte in the sample.
'	Analyte concentration estimated due to sample matrix interference and/or high analyte concentration interference.